

# ABSTRACT OF THE DISCLOSURE

A baking system including a plate for receiving a wafer to be baked, a heater for heating the plate, and a cooling apparatus for cooling the plate, the cooling apparatus including a cooling element for cooling the plate using vaporization of a coolant therein, the cooling element arranged in proximity to the plate with the heater disposed therebetween, a coolant storage tank for supplying the coolant to the cooling element when the plate is cooled and for storing the coolant when the plate is heated, and a thermostatic element for maintaining a temperature of the coolant supplied into the cooling element constant when the plate is cooled.